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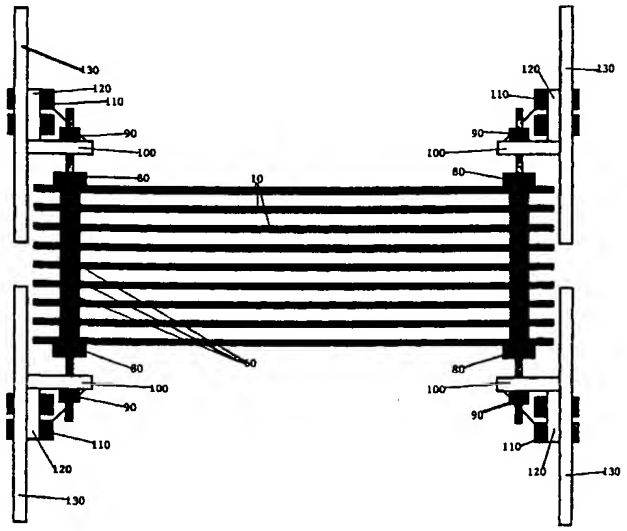
(54) Title: SYSTEM AND METHOD FOR CUTTING GRANITE OR SIMILAR MATERIALS



(57) Abstract: An improved frame saw system has multiple blades for cutting slabs of masonry materials. The improved systems and methods allow for cutting masonry materials into slabs having surface small deviations. A frame saw system may include a support structure of unifying material bonded to at least one of the blades for keeping the blades in fixed relative positions. The support structure may be removable from the frame saw system as the blades are engaged in a swinging motion cutting into the block. In addition, a process for cutting masonry blocks of granite, marble, rock, and the like, includes pretreating the surface of the block with a skim coat to fill surface irregularities prior to cutting operations. A frame saw system may contain one or more spacers between the saw blades wherein a compressive force is applied across the blades connected to a frame to reduce deflection of the blades while cutting.

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